

FortiGate®-100D Series

Integrated Security for Small and Medium Enterprises



In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises and remote branch offices need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time.

The FortiGate-100D series is an ideal security solution for small and medium enterprises or remote branch offices of larger networks. It combines firewall, IPSec and SSL VPN, application control, intrusion prevention, anti-malware, antispam, P2P security, and web filtering into a single device.

Simple, Powerful, Secure

The FortiGate-100D series installs in minutes, automatically downloading regular updates to protect against the latest viruses, network vulnerabilities, worms, spam and phishing attacks, and malicious websites with no administrator intervention. Leveraging patented FortiASIC acceleration, the FortiGate-100D series offers market-leading performance, with high port density that facilitate network growth and expansion. Onboard storage provides local archiving of data for policy compliance and/or WAN Optimization. The WAN Optimization functionality increases network performance by reducing the amount of communication and data transmitted between applications and servers across a WAN, and/or web caching.

Key Features & Benefits

Consolidated Security Architecture	Better protection and lower cost of ownership than multiple point security products.
Single Pane of Glass Management	Reduces complexity and decreases costs as all security functions can be managed through one console.
High Port Density	Up to 42 x GbE ports facilitate flexible deployment of network segments and promotes network expansion and high availability configurations.
Power Over Ethernet	Seamless integration of peripheral devices in a secure environment.

Meeting the Needs of Small and Medium Enterprises and Branch Offices

- High port density delivers maximum flexibility and scalability
- Application control coupled with identity-based policy enforcement provides complete content protection
- Strong authentication options for policy compliance

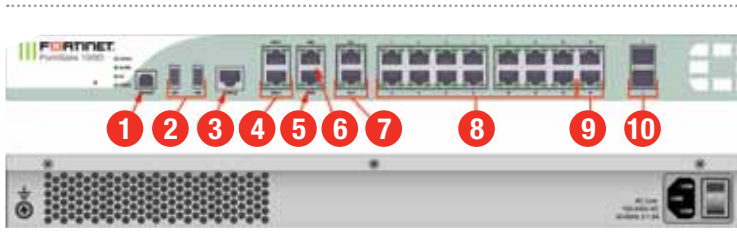


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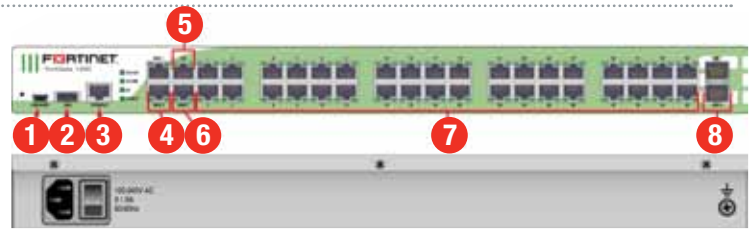
HARDWARE



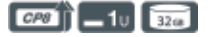
FortiGate-100D



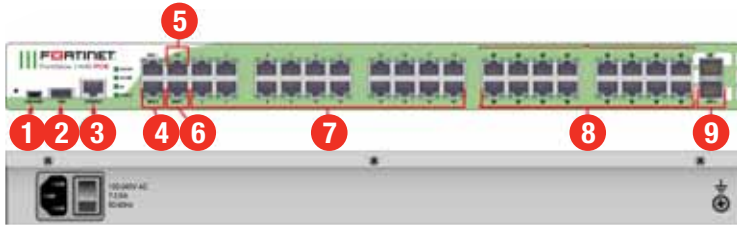
- 1 USB Management Port
- 2 2 x USB Ports
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 Management Port
- 6 1 x GE RJ45 DMZ Port
- 7 2 x GE RJ45 HA Ports
- 8 14 x GE RJ45 Switch Ports
- 9 2 x GE RJ45 Shared Ports
- 10 2 x GE SFP Shared Ports



FortiGate-140D



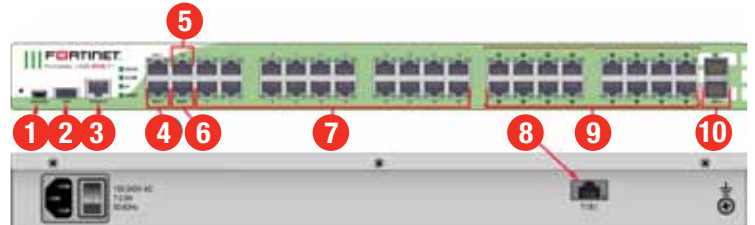
- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 36 x GE RJ45 Switch Ports
- 8 2 x GE SFP DMZ Ports



FortiGate-140D-POE



- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 20 x GE RJ45 Switch Ports
- 8 16 x GE RJ45 PoE Ports
- 9 2 x GE SFP DMZ Ports



FortiGate-140D-POE-T1



- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 20 x GE RJ45 Switch Ports
- 8 1 x T1 Port
- 9 16 x GE RJ45 PoE Ports
- 10 2 x GE SFP DMZ Ports



Powered by
FortiASIC CP8

- Providing high-speed cryptography for encryption and decryption
- Accelerates signature-based content inspection services such as AV and IPS

Content Processor

The FortiASIC CP8 content processor works outside of the direct flow of traffic, off-loading critical CPU resources.

Install in Minutes with FortiExplorer

The FortiExplorer™ wizard enables you to easily and quickly set up and configure FortiGate platforms with easy-to-follow instructions. The application runs on Windows, Mac OS X desktops and laptops as well as popular mobile devices. Simply connect to the appropriate USB port on the appliance, and be fully protected in minutes.

Power up with PoE Interfaces

The FortiGate-140D-POE and FortiGate-140D-POE-T1 include PoE interfaces that allow you to plug in compatible wireless access points and IP phones out of the box, providing ease of deployment and lower TCO.

HIGHLIGHTS

Complete and Real-time Security

Fortinet designed FortiOS to deliver the advanced protection and performance that standalone products simply cannot match. The integrated technologies work together as a system to provide better visibility and mitigation of the latest network and application threats, stopping attacks before damage can occur. FortiGuard Subscription Services provide automated, real-time, up-to-date protection against security threats.

Industry Validation

The FortiGate family of physical and virtual appliances has earned more certifications than any other vendor by consistently meeting rigorous third-party standards. Our industry-leading technology provides you with air-tight security.

Unique Visibility and Control

FortiOS gives you greater visibility and more consistent, granular control over users, devices, applications and data. Dashboard widgets allow administrators to quickly view and understand real-time network activities and threat situations while reputation-based analysis quickly identifies potentially compromised systems.

Ease of Use

FortiOS lowers costs and reduces IT staff workloads. Physical or virtual FortiGate appliances give you the flexibility to match your security to your environment while enforcing a uniform security policy. Single pane of glass management and centralized analysis ensure consistent policy creation and enforcement while minimizing deployment and configuration challenges.

Switch and Wireless Controller

Securing BYOD environment with integrated switch & wireless controller capabilities that simplifies network deployments at branch offices while lowering TCO and enhancing security with protection at the edge.

World-Class Technical Support and Documentation

Fortinet FortiCare support offerings provide comprehensive global support for all Fortinet products and services. You can rest assured your Fortinet security products are performing optimally and protecting your users, applications, and data around the clock.



FortiOS Dashboard — Single Pane of Glass Management

FortiOS — The World's Most Advanced Security Operating System

- Client reputation measurements to identify compromised systems in real-time
- On-device behavior-based heuristic engine for protection against advanced threats
- Cloud-based threat protection with operating system sandbox
- Mobile device identification that lets you apply specific access policies to smartphones and tablets
- Next Generation Firewall functions, including Application Control and IPS
- Data Loss Prevention to protect critical information
- Web filtering to prevent access to malicious or inappropriate web sites
- Web-based GUI, 'single pane of glass' management console and on-board reporting for unmatched visibility and control

For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet

SPECIFICATIONS

	FORTIGATE-100D	FORTIGATE-140D	FORTIGATE-140D-POE	FORTIGATE-140D-POE-T1
Hardware Specifications				
GbE RJ45 Ports	20	40	24	24
GbE RJ45 PoE Ports	-	-	16	16
GbE SFP or RJ45 Shared Ports	2	-	-	-
GbE SFP Ports	-	2	2	2
USB Ports (Client / Server)	1 / 2	1 / 1	1 / 1	1 / 1
T1 Port	-	-	-	1
Console Port			1	
Internal Storage			32 GB	
System Performance				
Firewall Throughput (1518 / 512 / 64 byte UDP packets)			2,500 / 1,000 / 200 Mbps	
Firewall Latency (64 byte UDP packets)	37 μs	46 μs	46 μs	46 μs
Firewall Throughput (Packets Per Second)			300 Kpps	
Concurrent Sessions (TCP)			3 Million	
New Sessions/Sec (TCP)			22,000	
Firewall Policies			10,000	
IPSec VPN Throughput (512 byte packets)			450 Mbps	
Gateway-to-Gateway IPSec VPN Tunnels			2,000	
Client-to-Gateway IPSec VPN Tunnels			5,000	
SSL-VPN Throughput			300 Mbps	
Concurrent SSL-VPN Users (Recommended Max)			300	
IPS Throughput			950 Mbps	
Antivirus Throughput (Proxy Based / Flow Based)			300 / 650 Mbps	
Virtual Domains (Default / Max)			10 / 10	
Max Number of FortiAPs			32	
Max Number of FortiTokens			1,000	
Max Number of Registered FortiClients			2,000	
High Availability Configurations		Active / Active, Active / Passive, Clustering		
Dimensions				
Height x Width x Length (in)	1.75 x 17.01 x 11.73 in	1.75 x 17.01 x 12.28 in	1.75 x 17.01 x 12.28 in	1.75 x 17.01 x 12.28 in
Height x Width x Length (mm)	44 x 432 x 298 mm	44 x 432 x 312 mm	44 x 432 x 312 mm	44 x 432 x 312 mm
Form Factor			Rack Mount, 1 RU	
Weight	9.5 lbs (4.3 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)
Environment				
Power Required			100 - 240 VAC, 50 - 60 Hz	
Max Current	110 V / 3 A, 220 V / 1.5 A	110 V / 2 A, 220 V / 1 A	110 V / 4 A, 220 V / 2 A	110 V / 4 A, 220 V / 2 A
Total Available PoE Power Budget	-	-	270 W	270 W
Power Consumption (AVG / Max)	52.6 W / 63.1 W	44.8 / 58.7 W	193.4 W / 337.1 W	193.4 W / 337.1 W
Heat Dissipation	215.3 BTU/h	200.3 BTU/h	1150.2 BTU/h	1150.2 BTU/h
Operating Temperature			32 - 104 °F (0 - 40 °C)	
Storage Temperature			-31 - 158 °F (-35 - 70 °C)	
Humidity			20 to 90% non-condensing	
Compliance				
		FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB		
Certifications				
		ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN		

Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files.

ORDER INFORMATION

Product	SKU	Description
FortiGate-100D	FG-100D	20 x GE RJ45 ports (including 1 x DMZ port, 1 x Mgmt port, 2 x HA port, 16 x internal switch ports), 2 x shared media pairs (including 2 x GE RJ45, 2 x GE SFP slots), 16GB onboard storage
FortiGate-140D	FG-140D	40 x GE RJ45 (including 36 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 32GB onboard storage
FortiGate-140D-POE	FG-140D-POE	40 x GE RJ45 (including 16 x PoE ports, 20 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 32GB onboard storage
FortiGate-140D-POE-T1	FG-140D-POE-T1	40 x GE RJ45 (including 16 x PoE ports, 20 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 1x T1, 32GB onboard storage



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